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17 May 2006

IRRIGATED LANDS PROGRAM: PESTICIDES DETECTED IN SEDIMENT

The attached table presents the draft results from sediment pesticide monitoring for the Irrigated Lands Conditional Waiver Program (Program) for the period from August 2004 through October 2004. Not all of the Program monitoring results are included in this summary, although additional results will be posted as they become available. These results do not include monitoring for UC Davis Phase II contract results, or monitoring results from the coalitions and individual dischargers subsequent to October 2004.

The table compares the monitoring results to the sediment toxicity results that were processed during the same time period. The sediment toxicity tests that exhibited significant toxicity as compared to laboratory control are provided in red text.

Any questions regarding this data may be directed to Margie Lopez-Read at (916) 464-4624 or by email at mlopez-read@waterboards.ca.gov.

Margie Lopez Read, REAI, Chief
Monitoring and Assessment Unit
Irrigated Lands Conditional Waiver Program

Attachment

Draft Table: Sediment Pesticide and Toxicity test results for Irrigated Lands Conditional Waiver Program, 2004										
Coalition	Site Name	SampleDate	Sample Collected By	MatrixName	AnalyteName	Result	Unit	Toxicity species Name	End Point	Percent Survival or Growth as Compared to Control
East San Joaquin WQC	Cottonwood Creek at Hwy 145 in Madera	17-Aug-04	PHASE II	sediment	DDT(p,p')	4.37	PPB	Hyalella	Survival (%)	101
East San Joaquin WQC	Cottonwood Creek at Hwy 145 in Madera	17-Aug-04	PHASE II	sediment						
East San Joaquin WQC	Dry Creek at J9	18-Aug-04	PHASE II	sediment	DDT(p,p')	1.55	PPB	Hyalella	Survival (%)	100
East San Joaquin WQC	Duck Slough at Arboleda Drive	27-Aug-04	PHASE II	sediment	Chlorpyrifos	2.61	PPB	Hyalella	Survival (%)	103
East San Joaquin WQC	Duck Slough at Arboleda Drive	27-Aug-04	RB Phase II	sediment	Cyfluthrin, total	1.73	PPB			
East San Joaquin WQC	Duck Slough at Arboleda Drive	27-Aug-04	RB Phase II	sediment	DDE(p,p')	1.32	PPB			
East San Joaquin WQC	Duck Slough at Arboleda Drive	27-Aug-04	RB Phase II	sediment	DDT(p,p')	1.52	PPB			
East San Joaquin WQC	Duck Slough at Arboleda Drive	27-Aug-04	RB Phase II	sediment	Permethrin-2	1.73	PPB			
East San Joaquin WQC	Ingalsbe Slough at J17	18-Aug-04	RB Phase II	sediment	DDT(p,p')	6.17	PPB	Hyalella	Survival (%)	97
East San Joaquin WQC	Sand Slough on Turner Island Rd. West of	27-Aug-04	RB Phase II	sediment	DDE(p,p')	1.57	PPB	Hyalella	Survival (%)	100
East San Joaquin WQC	Sand Slough on Turner Island Rd. West of	27-Aug-04	RB Phase II	sediment	DDT(p,p')	4.5	PPB			
East San Joaquin WQC	August Road Drain upstream of Crows	31-Aug-04	East SJWQC	sediment				Hyalella	Survival (%)	104
East San Joaquin WQC	Deadman Creek (Dutchman) @ Gurr Rd	31/Aug/2004	East SJWQC	sediment				Hyalella	Survival	104
East San Joaquin WQC	Duck Slough @ Gurr Rd	31/Aug/2004	East SJWQC	sediment				Hyalella	Survival (%)	36
East San Joaquin WQC	Merced River @ Sante Fe	31/Aug/2004	East SJWQC	sediment				Hyalella	Survival (%)	103
Sac Valley	Butte Creek at Durnel Dr.	30-Aug-04	RB Phase II	sediment	Cyfluthrin, total	5.41	PPB	Hyalella	Survival (%)	101
Sac Valley	Butte Creek at Durnel Dr.	30-Aug-04	RB Phase II	sediment	DDT(p,p')	2.31	PPB			
Sac Valley	Butte Creek at Durnel Dr.	30-Aug-04	RB Phase II	sediment	Permethrin-1	4.3	PPB			
Sac Valley	Butte Creek at Durnel Dr.	30-Aug-04	RB Phase II	sediment	Permethrin-2	1.11	PPB			
Sac Valley	China Slough at Tehema and Vina Rd	12-Aug-04	RB Phase II	sediment	Cyhalothrin, lambda,	1.1	PPB	Hyalella	Survival (%)	103
Sac Valley	China Slough at Tehema and Vina Rd	12-Aug-04	RB Phase II	sediment	DDT(p,p')	2.01	PPB			
Sac Valley	Hamilton Slough at Hwy 99	10-Aug-04	RB Phase II	sediment	Cyfluthrin, total	2.81	PPB	Hyalella	Growth (weight)	102
Sac Valley	Hamilton Slough at Hwy 99	10-Aug-04	RB Phase II	sediment	DDE(p,p')	4.29	PPB	Hyalella	Survival (%)	105
Sac Valley	Hamilton Slough at Hwy 99	10-Aug-04	RB Phase II	sediment	DDT(p,p')	7.23	PPB			
Sac Valley	Hamilton Slough at Hwy 99	10-Aug-04	RB Phase II	sediment	Permethrin-1	1.87	PPB			
Sac Valley	Hamilton Slough at Hwy 99	10-Aug-04	RB Phase II	sediment	Permethrin-2	0.94	PPB			
Sac Valley	Spring Creek at Walnut Drive	09-Aug-04	RB Phase II	sediment	Chlorpyrifos	1.89	PPB	Hyalella	Survival (%)	102
Sac Valley	Spring Creek at Walnut Drive	09-Aug-04	RB Phase II	sediment	DDT(p,p')	6.95	PPB			
Sac Valley	Stony Creek on Hwy 45 near Rd 24	09-Aug-04	RB Phase II	sediment	Cyfluthrin, total	1.65	PPB	Hyalella	Survival (%)	100
Sac Valley	Stony Creek on Hwy 45 near Rd 24	09-Aug-04	RB Phase II	sediment	DDT(p,p')	1.75	PPB			
Sac Valley	Stony Creek on Hwy 45 near Rd 24	09-Aug-04	RB Phase II	sediment	Esfenvalerate/Fenval	1	PPB			

Draft Table: Sediment Pesticide and Toxicity test results for Irrigated Lands Conditional Waiver Program, 2004										
Coalition	Site Name	SampleDate	Sample Collected By	MatrixName	AnalyteName	Result	Unit	Toxicity species Name	End Point	Percent Survival or Growth as Compared to Control
Sac Valley	Stony Creek on Hwy 45 near Rd 24	09-Aug-04	RB Phase II	sediment	Permethrin-2	1.65	PPB			
Sac Valley	Unnamed Canal at Cutting Road b/t Co.	30-Aug-04	RB Phase II	sediment	Chlorpyrifos	4.45	PPB	Hyalella	Survival (%)	96
Sac Valley	Unnamed Canal at Cutting Road b/t Co.	30-Aug-04	RB Phase II	sediment	Cyfluthrin, total	3.73	PPB			
Sac Valley	Unnamed Canal at Cutting Road b/t Co.	30-Aug-04	RB Phase II	sediment	DDT(p,p')	1.93	PPB			
Sac Valley	Unnamed Canal at Cutting Road b/t Co.	30-Aug-04	RB Phase II	sediment	Endosulfan sulfate	1.21	PPB			
Sac Valley	Unnamed Canal at Cutting Road b/t Co.	30-Aug-04	RB Phase II	sediment	Heptachlor	1.95	PPB			
Sac Valley	Unnamed Canal at Cutting Road b/t Co.	30-Aug-04	RB Phase II	sediment	Permethrin-1	1.39	PPB			
Sac Valley	Unnamed Canal at Cutting Road b/t Co.	30-Aug-04	RB Phase II	sediment	Permethrin-2	2.34	PPB			
Sac Valley	Unnamed Canal at Hwy 45	30-Aug-04	RB Phase II	sediment	Bifenthrin	2.12	PPB	Hyalella	Survival (%)	96
Sac Valley	Unnamed Canal at Hwy 45	30-Aug-04	RB Phase II	sediment	DDE(p,p')	1.91	PPB			
Sac Valley	Unnamed Canal at Hwy 45	30-Aug-04	RB Phase II	sediment	DDT(p,p')	3.06	PPB			
Sac Valley	Unnamed Canal at Hwy 45	30-Aug-04	RB Phase II	sediment	Esfenvalerate/Fenva	1.03	PPB			
Sac Valley	Unnamed Drain of Walker Creek on Co.	09-Aug-04	RB Phase II	sediment	Chlorpyrifos	2.53	PPB	Hyalella	Survival (%)	92
Sac Valley	Unnamed Drain of Walker Creek on Co.	09-Aug-04	RB Phase II	sediment	Cyfluthrin, total	4.09	PPB			
Sac Valley	Unnamed Drain of Walker Creek on Co.	09-Aug-04	RB Phase II	sediment	Cyhalothrin, lambda,	2.03	PPB			
Sac Valley	Unnamed Drain of Walker Creek on Co.	09-Aug-04	RB Phase II	sediment	DDE(p,p')	5.29	PPB			
Sac Valley	Unnamed Drain of Walker Creek on Co.	09-Aug-04	RB Phase II	sediment	DDT(p,p')	5.8	PPB			
Sac Valley	Unnamed Drain of Walker Creek on Co.	09-Aug-04	RB Phase II	sediment	Permethrin-1	2.31	PPB			
Sac Valley	Unnamed Drain of Walker Creek on Co.	09-Aug-04	RB Phase II	sediment	Permethrin-2	1.78	PPB			
Sac Valley	West Adams Canal at Road 89	19/Aug/2004	RB Phase II	sediment				Hyalella	Survival (%)	96
Sac Valley	Willow Slough at Road 99	19-Aug-04	RB Phase II	sediment	DDD(p,p')	1.43	PPB	Hyalella	Survival (%)	101
Sac Valley	Willow Slough at Road 99	19-Aug-04	RB Phase II	sediment	DDE(p,p')	12.9	PPB			
Sac Valley	Willow Slough at Road 99	19-Aug-04	RB Phase II	sediment	DDT(p,p')	11.09	PPB			
Sac Valley	Yankee Slough at Swanson Road	10-Aug-04	RB Phase II	sediment	Chlorpyrifos	3.21	PPB	Hyalella	Survival (%)	93
Sac Valley	Yankee Slough at Swanson Road	10-Aug-04	RB Phase II	sediment	DDT(p,p')	1.44	PPB			
Sac Valley	Simmerly Slough at Ellis Avenue	10-Aug-04	RB Phase II	sediment	Cyhalothrin, lambda,	1.16	PPB	Hyalella	Survival (%)	102
Sac Valley	Simmerly Slough at Ellis Avenue	10-Aug-04	RB Phase II	sediment	DDD(p,p')	1.27	PPB			
Sac Valley	Simmerly Slough at Ellis Avenue	10-Aug-04	RB Phase II	sediment	DDE(p,p')	2.99	PPB			
Sac Valley	Simmerly Slough at Ellis Avenue	10-Aug-04	RB Phase II	sediment	DDT(p,p')	4.35	PPB			
Sac Valley	Simmerly Slough at Ellis Avenue	10-Aug-04	RB Phase II	sediment	Esfenvalerate/Fenva	1.42	PPB			
Sac Valley	Unnamed Ditch at SW corner of Levee	10/Aug/2004	RB Phase II	sediment				Hyalella	Survival (%)	102
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	Bifenthrin	2.17	PPB	Hyalella	Survival (%)	97
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	Chlorpyrifos	2.58	PPB			
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	Cyhalothrin, lambda,	1.45	PPB			
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	DDD(p,p')	1.47	PPB			

Draft Table: Sediment Pesticide and Toxicity test results for Irrigated Lands Conditional Waiver Program, 2004										
Coalition	Site Name	SampleDate	Sample Collected By	MatrixName	AnalyteName	Result	Unit	Toxicity species Name	End Point	Percent Survival or Growth as Compared to Control
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	DDE(p,p')	7.74	PPB			
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	DDT(p,p')	19.02	PPB			
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	Deltamethrin	1.93	PPB			
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	Diethylrin	3.88	PPB			
San Joaquin Co Delta	Drain to Brack Dr at Woodbridge Rd	28-Aug-04	RB Phase II	sediment	Endosulfan I	1.22	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	Bifenthrin	1.7	PPB	Hyalella	Survival (%)	91
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	Chlorpyrifos	1.51	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	Cyfluthrin, total	6.39	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	Cyhalothrin, lambda,	1.51	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	DDD(p,p')	1.76	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	DDE(p,p')	14.35	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	DDT(p,p')	4.26	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	Dielectric	1.53	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	Esfenvalerate/Fenval	2.05	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	Permethrin-1	4.88	PPB			
San Joaquin Co Delta	Drain to Grant Line Canal off Wing Levee	28-Aug-04	RB Phase II	sediment	Permethrin-2	1.51	PPB			
San Joaquin Co Delta	Drain to North Canal along Bonetti Drive	28-Aug-04	RB Phase II	sediment	Chlorpyrifos	3.85	PPB			
San Joaquin Co Delta	Drain to North Canal along Bonetti Drive	28-Aug-04	RB Phase II	sediment	Cyhalothrin, lambda,	1.79	PPB			
San Joaquin Co Delta	Drain to North Canal along Bonetti Drive	28-Aug-04	RB Phase II	sediment	DDD(p,p')	2.32	PPB			
San Joaquin Co Delta	Drain to North Canal along Bonetti Drive	28-Aug-04	RB Phase II	sediment	DDE(p,p')	2.66	PPB			
San Joaquin Co Delta	Drain to North Canal along Bonetti Drive	28-Aug-04	RB Phase II	sediment	DDT(p,p')	3.41	PPB			
San Joaquin Co Delta	Drain to North Canal along Bonetti Drive	28-Aug-04	RB Phase II	sediment	Esfenvalerate/Fenval	52.69	PPB			
San Joaquin Co Delta	Drain to Pixley Slough at Davis Rd	28-Aug-04	RB Phase II	sediment	Bifenthrin	4.24	PPB	Hyalella	Survival (%)	104
San Joaquin Co Delta	Drain to Pixley Slough at Davis Rd	28-Aug-04	RB Phase II	sediment	Chlorpyrifos	4.51	PPB			
San Joaquin Co Delta	Drain to Pixley Slough at Davis Rd	28-Aug-04	RB Phase II	sediment	Cyfluthrin, total	4.79	PPB			
San Joaquin Co Delta	Drain to Pixley Slough at Davis Rd	28-Aug-04	RB Phase II	sediment	DDE(p,p')	2.34	PPB			
San Joaquin Co Delta	Drain to Pixley Slough at Davis Rd	28-Aug-04	RB Phase II	sediment	DDT(p,p')	9.48	PPB			
San Joaquin Co Delta	Drain to Pixley Slough at Davis Rd	28-Aug-04	RB Phase II	sediment	Methoxychlor	1.11	PPB			
San Joaquin Co Delta	Drain to Pixley Slough at Davis Rd	28-Aug-04	RB Phase II	sediment	Permethrin-1	2.77	PPB			
San Joaquin Co Delta	Drain to Pixley Slough at Davis Rd	28-Aug-04	RB Phase II	sediment	Permethrin-2	2.02	PPB			
San Joaquin Co Delta	Littlejohns Creek @ Jacktone Rd	23/Sep/2004	San Joaquin Co	sediment				Hyalella	Survival (%)	87
San Joaquin Co Delta	Lone Tree Creek @ Jacktone Rd	23/Sep/2004	San Joaquin Co	sediment				Hyalella	Survival (%)	91
San Joaquin Co Delta	Mokelumne River @ Bruella Rd	23/Sep/2004	San Joaquin Co	sediment				Hyalella	Survival (%)	99
San Joaquin Co Delta	Potato Slough @ Hwy 12	23/Sep/2004	San Joaquin Co	sediment				Hyalella	Survival (%)	84
San Joaquin Co Delta	Tom Paine Slough at Paradise Rd.	27-Aug-04	RB Phase II	sediment	Chlorpyrifos	1.71	PPB	Hyalella	Survival (%)	97
San Joaquin Co Delta	Tom Paine Slough at Paradise Rd.	27-Aug-04	RB Phase II	sediment	DDE(p,p')	2.12	PPB			

Draft Table: Sediment Pesticide and Toxicity test results for Irrigated Lands Conditional Waiver Program, 2004										
Coalition	Site Name	SampleDate	Sample Collected By	MatrixName	AnalyteName	Result	Unit	Toxicity species Name	End Point	Percent Survival or Growth as Compared to Control
San Joaquin Co Delta	Tom Paine Slough at Paradise Rd.	27-Aug-04	RB Phase II	sediment	DDT(p,p')	3.17	PPB			
San Joaquin Co Delta	Unnamed Slough at Wildwood Rd	28-Aug-04	RB Phase II	sediment	Chlorpyrifos	1.82	PPB	Hyalella	Survival (%)	97
San Joaquin Co Delta	Unnamed Slough at Wildwood Rd	28-Aug-04	RB Phase II	sediment	DDD(p,p')	1.18	PPB			
San Joaquin Co Delta	Unnamed Slough at Wildwood Rd	28-Aug-04	RB Phase II	sediment	DDE(p,p')	4.32	PPB			
San Joaquin Co Delta	Unnamed Slough at Wildwood Rd	28-Aug-04	RB Phase II	sediment	DDT(p,p')	2.61	PPB			
San Joaquin Co Delta	Unnamed Slough at Wildwood Rd	28-Aug-04	RB Phase II	sediment	Dieldrin	1.23	PPB			
San Joaquin Co Delta	Unnamed Slough at Wildwood Rd	28-Aug-04	RB Phase II	sediment	Esfenvalerate/Fenvat	1.17	PPB			
San Joaquin Co Delta	Duck Creek at Hwy 4	23/Sep/2004	San Joaquin Co	sediment				Hyalella	Survival (%)	101
Southern SJVWQC	Button Ditch on Ave 368 west of Alta Ave	16-Aug-04	RB Phase II	sediment	Chlorpyrifos	39.66	PPB	Hyalella	Survival (%)	103
Southern SJVWQC	Button Ditch on Ave 368 west of Alta Ave	16-Aug-04	RB Phase II	sediment	Cyfluthrin, total	1.16	PPB			
Southern SJVWQC	Button Ditch on Ave 368 west of Alta Ave	16-Aug-04	RB Phase II	sediment	DDE(p,p')	1.87	PPB			
Southern SJVWQC	Button Ditch on Ave 368 west of Alta Ave	16-Aug-04	RB Phase II	sediment	DDT(p,p')	2.68	PPB			
Southern SJVWQC	Button Ditch on Ave 368 west of Alta Ave	16-Aug-04	RB Phase II	sediment	Endosulfan I	1.28	PPB			
Southern SJVWQC	Button Ditch on Ave 368 west of Alta Ave	16-Aug-04	RB Phase II	sediment	Permethrin-1	1.16	PPB			
Southern SJVWQC	Calloway Canal at Hwy 46	16-Aug-04	RB Phase II	sediment	Cyfluthrin, total	3.65	PPB	Hyalella	Survival (%)	104
Southern SJVWQC	Calloway Canal at Hwy 46	16-Aug-04	RB Phase II	sediment	DDE(p,p')	2.95	PPB			
Southern SJVWQC	Calloway Canal at Hwy 46	16-Aug-04	RB Phase II	sediment	DDT(p,p')	8.24	PPB			
Southern SJVWQC	Calloway Canal at Hwy 46	16-Aug-04	RB Phase II	sediment	Dieldrin	1.51	PPB			
Southern SJVWQC	Calloway Canal at Hwy 46	16-Aug-04	RB Phase II	sediment	Permethrin-1	1.24	PPB			
Southern SJVWQC	Calloway Canal at Hwy 46	16-Aug-04	RB Phase II	sediment	Permethrin-2	2.41	PPB			
Southern SJVWQC	Cross Creek at Highway 99	26/Oct/2004	Southern SJVWQC	sediment				Hyalella	Survival %	21
Southern SJVWQC	Kaweah River	26/Oct/2004	Southern SJVWQC	sediment				Hyalella	Survival	91
Southern SJVWQC	Kings River at Lemoore Weir	14/Oct/2004	Southern SJVWQC	sediment				Hyalella	Survival %	85
Southern SJVWQC	Kings River at Manning Avenue	14/Oct/2004	Southern SJVWQC	sediment				Hyalella	Survival (%)	100
Southern SJVWQC	Main Drain Canal near Highway 46	16/Aug/2004	Southern SJVWQC	sediment				Hyalella	Survival %	90
Southern SJVWQC	St. Johns River	26/Oct/2004	Southern SJVWQC	sediment				Hyalella	Survival %	42
Southern SJVWQC	Stone Corral I.D. Discharge	26/Oct/2004	Southern SJVWQC	sediment				Hyalella	Survival %	30
Southern SJVWQC	Tule River at McCarthy Check	10/Aug/2004	Southern SJVWQC	sediment				Hyalella	Survival %	43
Southern SJVWQC	Tule River at Poplar Ave	16-Aug-04	RB Phase II	sediment	Bifenthrin	6.55	PPB	Hyalella	Survival (%)	100
Southern SJVWQC	Tule River at Woods-Central Ditch	10/Aug/2004	Southern SJVWQC	sediment				Hyalella	Survival %	13

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Coalition	Site Name	SampleDate	Sample Collected By	MatrixName	AnalyteName	Result	Unit	Toxicity species Name	End Point	Percent Survival or Growth as Compared to Control
Southern SJVWQC	West Reedley Ditch at East Adams Ave	17-Aug-04	RB Phase II	sediment	DDD(p,p')	1.5	PPB	Hyalella	Survival (%)	107
Southern SJVWQC	West Reedley Ditch at East Adams Ave	17-Aug-04	RB Phase II	sediment	DDE(p,p')	2.58	PPB			
Southern SJVWQC	West Reedley Ditch at East Adams Ave	17-Aug-04	RB Phase II	sediment	DDT(p,p')	2.04	PPB			
Southern SJVWQC	West Reedley Ditch at East Adams Ave	17-Aug-04	RB Phase II	sediment	Deltamethrin	2.03	PPB			
Southern SJVWQC	West Reedley Ditch at East Adams Ave	17-Aug-04	RB Phase II	sediment	Esfenvalerate/Fenval	1.1	PPB			
Westside coalition	Del Puerto Creek Near Cox Road	13-Sep-04	Westside SJRWC	sediment				Hyalella	Survival (%)	103
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	Chlordane, Alpha-	1.24	PPB			
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	Chlorpyrifos	1.34	PPB			
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	Cyhalothrin, lambda,	7.99	PPB			
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	DDD(p,p')	9.8	PPB			
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	DDE(p,p')	56.36	PPB			
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	DDT(p,p')	28.53	PPB			
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	Dieldrin	2.9	PPB			
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	Endrin	2.52	PPB			
Westside Coalition	Hospital Creek at Rd. 33	27-Aug-04	RB Phase II	sediment	Endrin Aldehyde	1.2	PPB			
Westside coalition	Hospital Creek at River Road	13-Sep-04	Westside SJRWC	sediment				Hyalella	Survival (%)	93
Westside SJRWC	Ingram Creek at River Road	13/Sep/2004	Westside SJRWC	sediment				Hyalella	Survival (%)	0
Westside Coalition	Island Field Drain at Catrina Rd	27-Aug-04	RB Phase II	sediment	Chlorpyrifos	2.28	PPB	Hyalella	Growth (weight)	220
Westside Coalition	Island Field Drain at Catrina Rd	27-Aug-04	RB Phase II	sediment	DDE(p,p')	3.56	PPB	Hyalella	Survival (%)	99
Westside Coalition	Island Field Drain at Catrina Rd	27-Aug-04	RB Phase II	sediment	DDT(p,p')	8.95	PPB			
Westside Coalition	Island Field Drain at Catrina Rd	27-Aug-04	RB Phase II	sediment	Dieldrin	2.27	PPB			
Westside Coalition	Island Field Drain at Catrina Rd	27-Aug-04	RB Phase II	sediment	Endosulfan I	1.36	PPB			
Westside coalition	Los Banos Creek at China Camp Road	13-Sep-04	Westside SJRWC	sediment				Hyalella	Survival (%)	104
Westside coalition	Los Banos Creek at China Camp Road	13-Sep-04	Westside SJRWC	sediment				Hyalella	Survival (%)	103
Westside coalition	Main Canal at Badger Flat Road	27/Aug/2004	RB Phase II	sediment				Hyalella	Survival (%)	101
Westside coalition	Mud Slough Upstream of San Luis Drain	13/Sep/2004	Westside SJRWC	sediment				Hyalella	Survival (%)	99
Westside coalition	Newman Wasteway near Hills Ferry Road	13/Sep/2004	Westside SJRWC	sediment				Hyalella	Survival (%)	95
Westside coalition	Orestimba Creek at Highway 33	13/Sep/2004	Westside SJRWC	sediment				Hyalella	Survival (%)	57
Westside Coalition	Orestimba Creek at Kilburn Road	12-Aug-04	RB Phase II	sediment	Bifenthrin	1.24	PPB	Hyalella	Survival (%)	23
Westside Coalition	Orestimba Creek at Kilburn Road	12-Aug-04	RB Phase II	sediment	Chlorpyrifos	1.41	PPB			
Westside Coalition	Orestimba Creek at Kilburn Road	12-Aug-04	RB Phase II	sediment	Cyhalothrin, lambda,	12.82	PPB			
Westside Coalition	Orestimba Creek at Kilburn Road	12-Aug-04	RB Phase II	sediment	DDD(p,p')	3.06	PPB			

Draft Table: Sediment Pesticide and Toxicity test results for Irrigated Lands Conditional Waiver Program, 2004										
Coalition	Site Name	SampleDate	Sample Collected By	MatrixName	AnalyteName	Result	Unit	Toxicity species Name	End Point	Percent Survival or Growth as Compared to Control
Westside Coalition	Orestimba Creek at Kilburn Road	12-Aug-04	RB Phase II	sediment	DDE(p,p')	43.23	PPB			
Westside Coalition	Orestimba Creek at Kilburn Road	12-Aug-04	RB Phase II	sediment	DDT(p,p')	10.8	PPB			
Westside Coalition	Orestimba Creek at Kilburn Road	12-Aug-04	RB Phase II	sediment	Dieldrin	1.58	PPB			
Westside coalition	Orestimba Creek at River road	13-Sep-04	Westside SJRW	sediment				Hyalella	Survival (%)	104
Westside Coalition	Poso Drain at NE corner of Turner Island	12-Aug-04	RB Phase II	sediment	Chlorpyrifos	1.42	PPB	Hyalella	Survival (%)	105
Westside Coalition	Poso Drain at NE corner of Turner Island	12-Aug-04	RB Phase II	sediment	DDE(p,p')	1.7	PPB			
Westside Coalition	Poso Drain at NE corner of Turner Island	12-Aug-04	RB Phase II	sediment	DDT(p,p')	4.87	PPB			
Westside coalition	Salt Slough at Sand dam	13-Sep-04	Westside SJRW	sediment				Hyalella	Survival (%)	104
Westside coalition	SJR at Lander Avenue	13-Sep-04	Westside SJRW	sediment				Hyalella	Survival (%)	97
Westside coalition	Turner Slough near Edminster road	13-Sep-04	Westside SJRW	sediment				Hyalella	Survival (%)	103
Westside coalition	Westley Wasteway near Cox Road	13-Sep-04	Westside SJRW	sediment				Hyalella	Survival (%)	98

red text = sample site shows significant toxicity compared to control